

Serial No. 10/796,302  
Docket No. PTGF-04009  
(HIR.093).

2

RECEIVED  
CENTRAL FAX CENTER  
FEB 12 2007

**AMENDMENTS TO THE CLAIMS:**

**Claims 4 and 7-12 stand canceled without prejudice or disclaimer.**

1. (Currently amended) A light emitting device, comprising:  
a light emitting element to emit ultraviolet light;  
a phosphor layer that includes phosphor glass to generate fluorescence while being excited by the ultraviolet light emitted from the light emitting element; and  
an optical system to converge the ultraviolet light emitted from the light emitting element,  
wherein the light emitting element is disposed opposite the optical system.
2. (Previously presented) The light emitting device according to claim 1, wherein:  
the phosphor glass includes, as a glass component, at least one of  $Tb^{3+}$  (terbium),  $Eu^{2+}$  (divalent europium) and  $Eu^{3+}$  (trivalent europium).
3. (Previously presented) A light emitting device, comprising:  
a light emitting element; and  
a phosphor layer that includes phosphor glass to generate fluorescence while being excited by light emitted from the light emitting element,  
wherein the light emitting element emits ultraviolet light, and the phosphor glass generates visible fluorescence while being excited by the ultraviolet light, and  
the phosphor glass comprises a low-melting phosphor glass doped with a fluorescence activation element,  
wherein:

Serial No. 10/796,302  
Docket No. PTGF-04009  
(HIR.093)

3

the phosphor layer includes a plurality of layers including different kinds of phosphor glass.

4. (Previously presented) The light emitting device according to claim 1, wherein:  
the phosphor layer includes a transparent material and particles including said phosphor glass that are dispersed in the transparent material.
5. (Currently amended) The light emitting device according to claim 4, wherein:  
the particles including said phosphor glass include different kinds of phosphor glassesglass.
6. (Previously presented) The light emitting device according to claim 4, wherein:  
the phosphor layer includes a phosphor material other than the phosphor glass, the phosphor material being dispersed in the transparent material.
- 7-12. (Canceled).
13. (Previously presented) The light emitting device according to claim 1, wherein:  
the optical system comprises a convex lens.
14. (Previously presented) The light emitting device according to claim 1, wherein:  
the optical system comprises a reflection mirror.

Serial No. 10/796,302  
Docket No. PTGF-04009  
(HIR.093)

4

15. (Previously presented) The light emitting device according to claim 1, wherein:  
the phosphor glass comprises a low-melting phosphor glass doped with a  
fluorescence activation element.
16. (Previously presented) The light emitting device according to claim 1, wherein:  
the phosphor glass comprises a fluorophosphate glass.
17. (Previously presented) The light emitting device according to claim 1, wherein:  
the phosphor layer includes a plurality of layers including different kinds of  
phosphor glass.
18. (New) The light emitting device according to claim 1, wherein:  
the optical system is disposed in an optical axis direction of the light emitting  
element.
19. (New) The light emitting device according to claim 1, wherein:  
the optical system is disposed away from the light emitting element.